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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Koichi TERUNUMA

Group Art Unit: 2652

Application No.: 10/667,349

Filed: September 23, 2003

Docket No.: 117264

For: MAGNETORESISTIVE EFFECTIVE ELEMENT, THIN FILM MANAGEMENT HEAD,
MAGNETIC HEAD DEVICE AND MAGNETIC RECORDING/REPRODUCING
DEVICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection, Notice of Allowance, or other action that closes prosecution (e.g., Quayle Action), but before payment of the Issue Fee. Attached is our Check No. 167443 in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please credit or debit Deposit Account No. 15-0461 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☒ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
37 CFR §1.97(e)(1).
- ☒ 1. English language Abstracts of the non-English language references 1-2 are attached hereto.

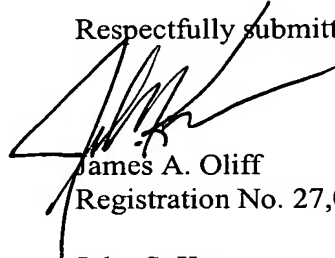
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- ☒ 2. A computer-generated English language translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office ([<http://www.jpo.go.jp>]), and is attached, but has not been reviewed for accuracy. See References 1-2.

Respectfully submitted,



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JAO:JSK/kap

Date: June 8, 2005

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| <p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p> |
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Sheet 1 of 1Form PTO-1449
(REV. 8-83)US Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
117264APPLICATION NO.
10/667,349

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT
Koichi TERUNUMAFILING DATE
September 23, 2003GROUP
2652

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
|---------------------|--|-----------------|------|------|-------|--------------|
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS |
|--|---|-----------------------------------|------------|---------|-------|--------------|
| | 1 | JP 2001-229515 A w/abstr & transl | 08/24/2001 | JAPAN | | |
| | 2 | JP 10-312513 A w/abstr & transl | 11/24/1998 | JAPAN | | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER

DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: June 8, 2005